

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An embedded door handle antenna, comprising:

an antenna having a core around which an ~~insulative~~ insulation covered conductor is wound, wherein

the core comprises a magnetic core and a wiring layer which are laminated on each other, and

the magnetic core is ~~made of flexible soft magnetic material~~ consists of a flexible magnetic body made of soft material.

2. (Currently amended) The embedded door handle antenna ~~apparatus~~ according to claim 1, wherein

the wiring layer is formed on a printed board.

3. (Currently amended) The embedded door handle antenna ~~apparatus~~ according to claim 1, wherein

the core is provided with an extending portion which outwardly extends from a coiled section around which the ~~insulative~~ insulation covered conductor is wound, and an electronic component is mounted on the extending portion.

4. (Currently amended) The embedded door handle antenna apparatus according to claim 1, further comprising an electricity control section which permits and prohibits ~~energization to~~ energizing the wiring layer depending upon an operation state of the antenna.

5. (New) The embedded door handle antenna according to claim 3, wherein the electronic component is a light emitting component.

6. (New) An embedded door handle antenna, comprising:

a door handle having a hollow portion therein;

an antenna embedded within the hollow portion of the door handle, the antenna comprising a flexible magnetic core consisting a flexible magnetic body made of soft material, the antenna further comprising a wiring layer around which an insulation covered conductor is wound; and

a connector attached to one end of the antenna, the connector facilitating connection of the embedded antenna to a power circuit, wherein

the antenna is energized by an action of at least one of request switch and a proximity of a keyless entry component.

7. (New) The embedded door handle antenna according to claim 6, wherein
the wiring layer is formed on a printed board.

8. (New) The embedded door handle antenna according to claim 6, wherein
the core is provided with an extending portion which outwardly extends from a coiled section around which the insulation covered conductor is wound, and
an electronic component is mounted on the extending portion.

9. (New) The embedded door handle antenna according to claim 8, wherein the electronic component is a light emitting component.

10. (New) The embedded door handle antenna according to claim 6, further comprising an electricity control section which permits and prohibits energizing the wiring layer depending upon an operation state of the antenna.